



FEMA



Prepared by
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FEMA Region 6 Weather Threat Briefing

Thursday, October 25, 2018

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



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Today

- Isolated heavy rain/flash flooding possible over **SE TX** into **LA**.

Friday - Monday

- No significant weather expected.

River Flood Status

- Moderate to Major River flooding is ongoing or expected across Texas.
- Points along the Nueces river in **S TX** will continue in Major Flood at times over the next week as water moves downstream. At Tilden, a continued slow rise in major flood is expected; evacuation of livestock and a few residential properties may be required.
- The Trinity River at Liberty is in Moderate flood at Dallas and near Long Lake. Flood wave will move downstream through this weekend with impacts of agricultural flooding and several subdivisions above Liberty likely flooding.

Tropical Outlook

- An area of potential development has been identified in the Central Atlantic. Any development should remain away from the **US** coastline.

FEMA Region 6 Threat Matrix

Oct 25, 2018 – Oct 29, 2018



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| DAY / THREAT | WED | THU | FRI | SAT | SUN |
|--------------------------------|-----|-----|-----|-----|-----|
| Severe Storms | | | | | |
| Heavy Rain / Flash Flooding | LA | | | | |
| Winter Weather | | | | | |
| Tropical Weather | | | | | |
| River Flooding | TX | TX | TX | TX | TX |

| | |
|--|-----------------------------------|
| | No Weather Threats Expected |
| | Very Common – Happens Often |
| | Common – Happens Frequently |
| | Uncommon – A Few Times a Year |
| | Rare – Once Every 1-5 Years |
| | Very Rare – Once Every 5-10 Years |

**Threat levels are based on FEMA Region 6 criteria.*

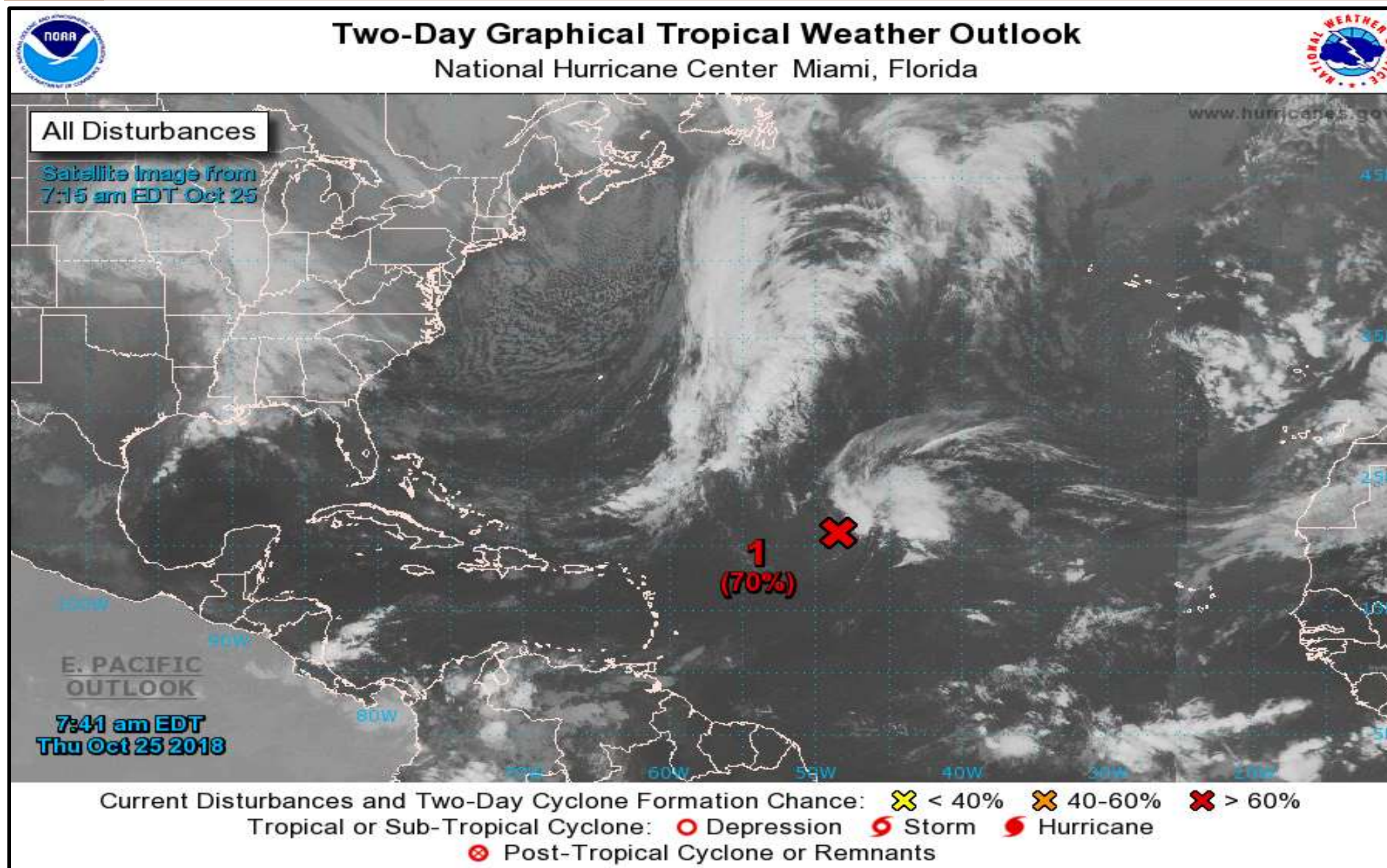
*State or local threat level criteria may differ.**

For more details on the colors in the threat matrix refer to the last slide in this briefing.

Tropical Weather Outlook – Atlantic/Gulf

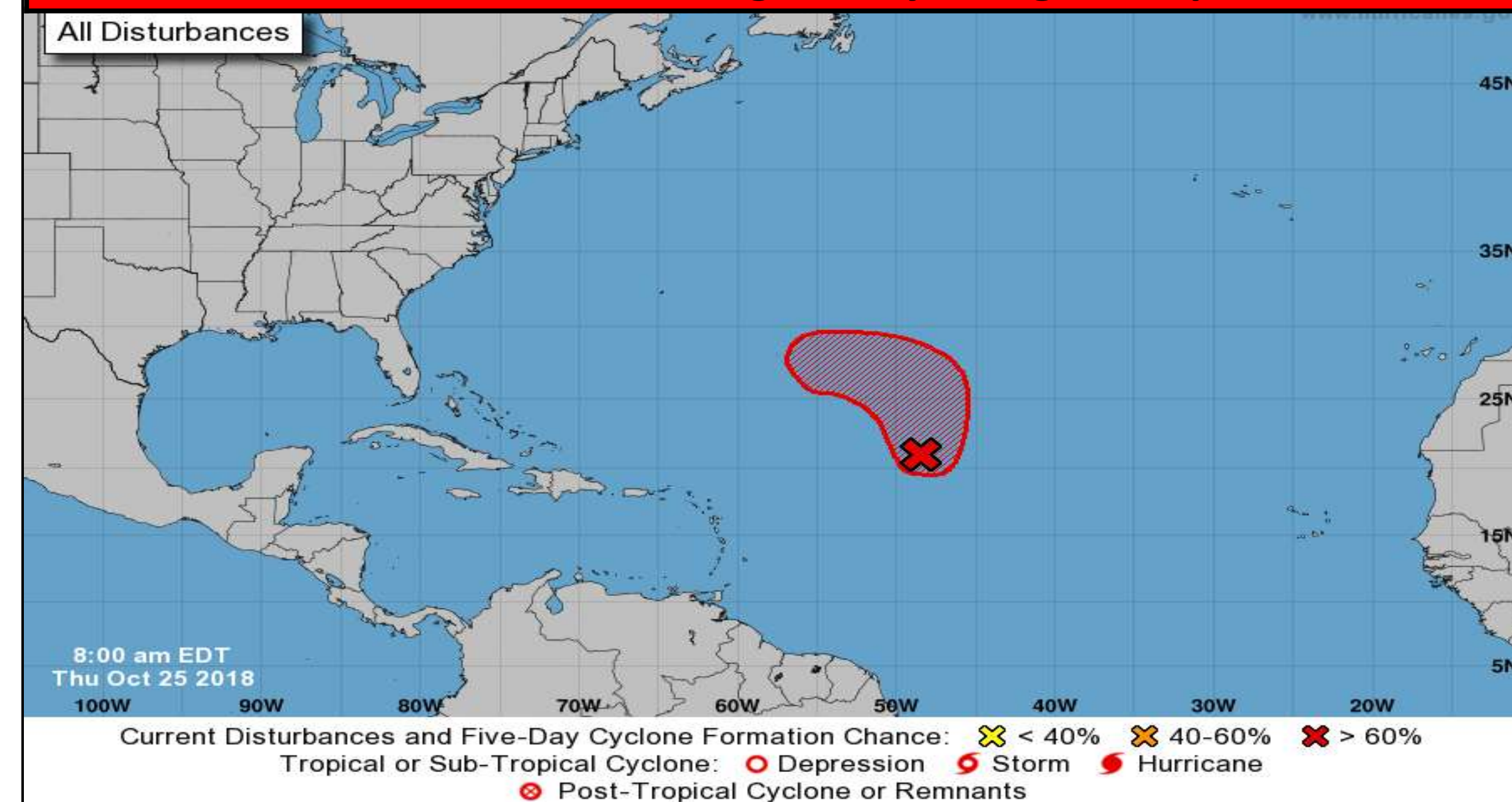


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Showers and thunderstorms are gradually becoming better organized in association with a broad area of low pressure located over the central tropical Atlantic about 950 miles east-northeast of the northern Leeward Islands. This low is expected to move northward over the next couple of days into an area where upper-level winds are forecast to be conducive for further development, and a tropical or subtropical storm is likely to form on Friday or Saturday. After that time, the system is forecast to turn westward well to the north or northeast of the Lesser Antilles through early next week.

- * Formation chance through 48 hours...medium...60 percent.
- * Formation chance through 5 days...high...80 percent.

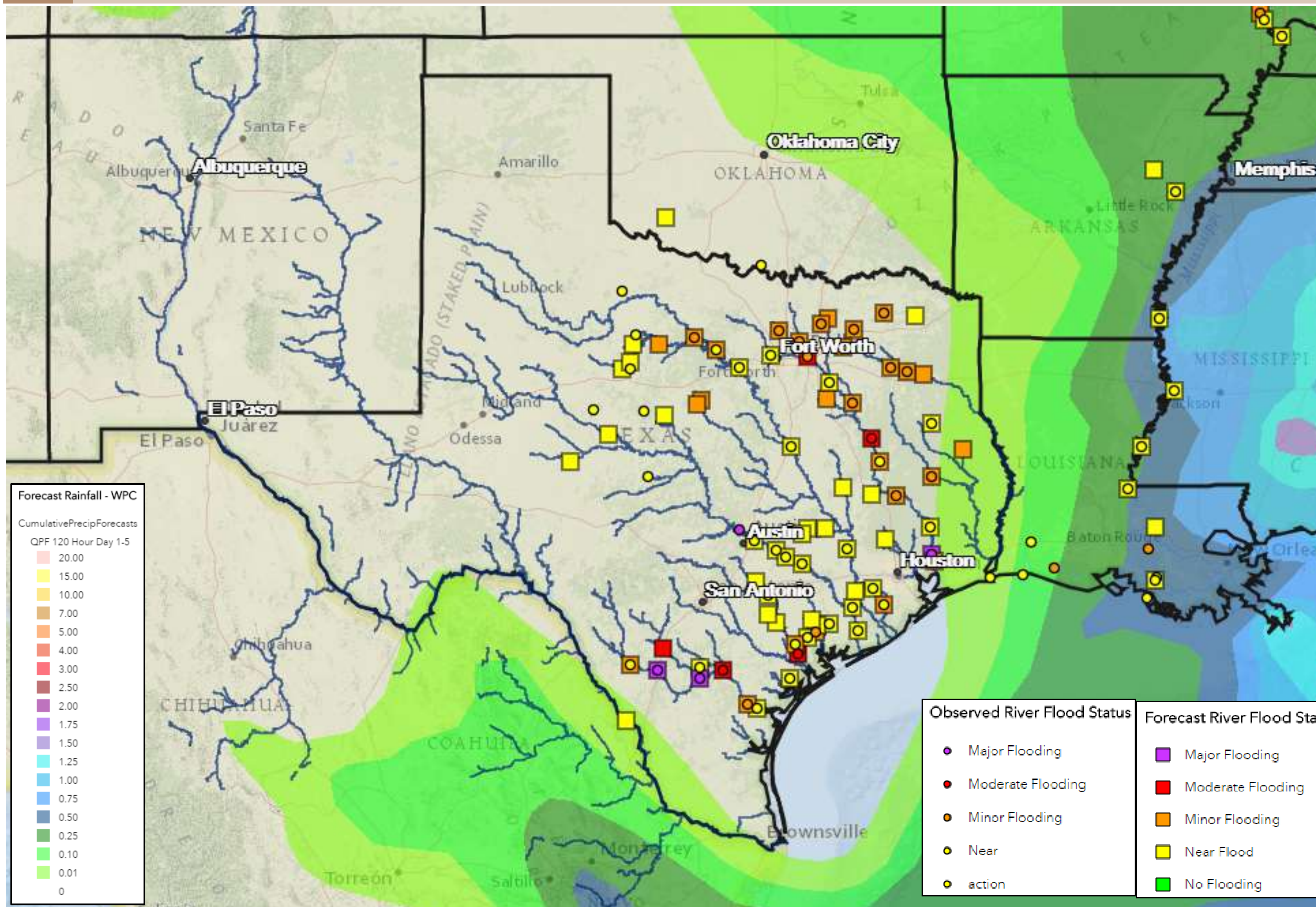


5-Day Precipitation Forecast & River Flood Status



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Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Moderate to Major River flooding is ongoing or expected across Texas.

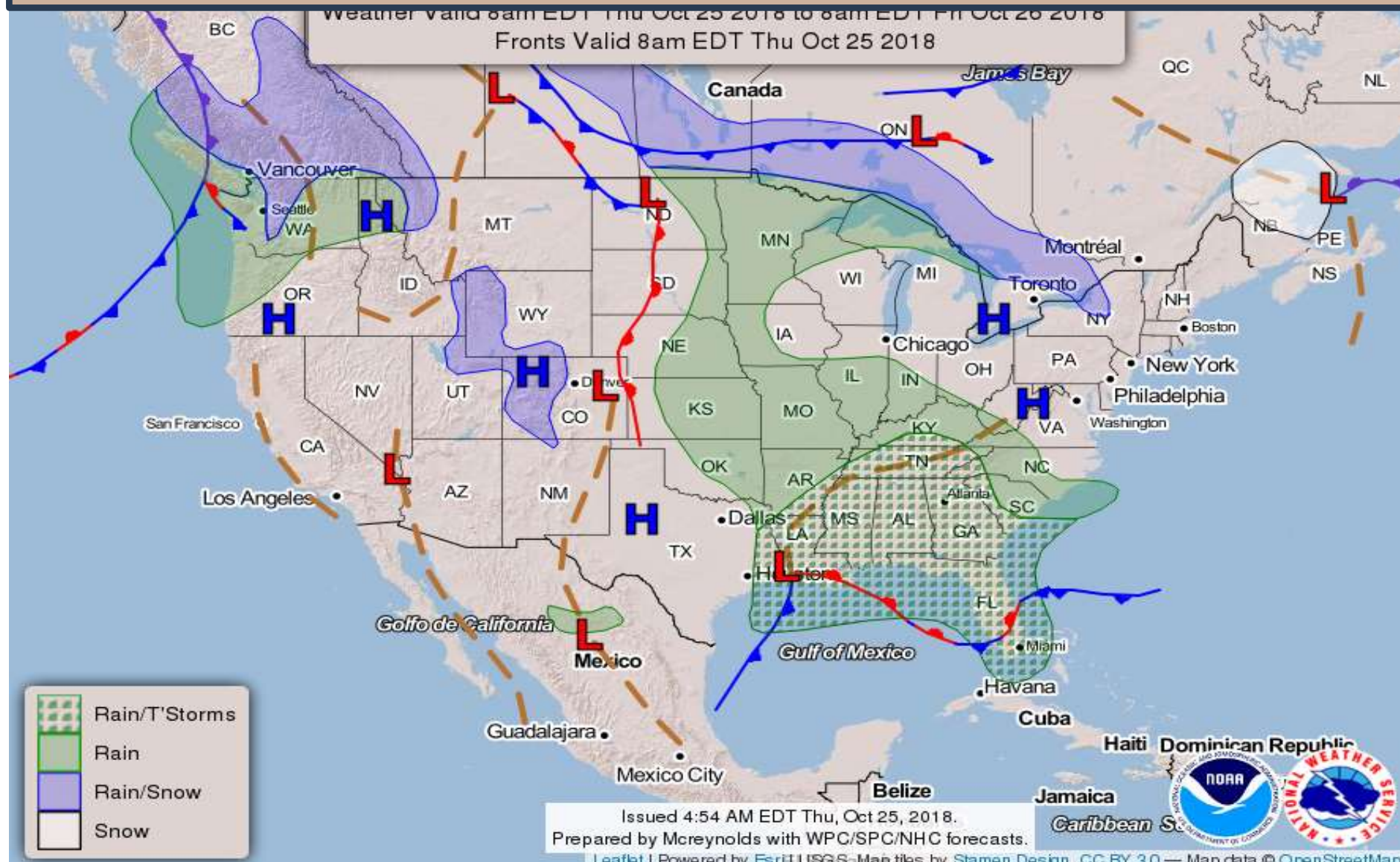
- **Points along the Nueces river in STX will continue in Major Flood at times over the next week as water moves downstream. At Tilden, a continued slow rise in major flood is expected; evacuation of livestock and a few residential properties may be required.**
- **The Trinity River at Liberty is in Moderate flood at Dallas and near Long Lake. Flood wave will move downstream through this weekend with impacts of agricultural flooding and several subdivisions above Liberty likely flooding.**

Today's Weather



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Forecast Chart



Forecast Rainfall

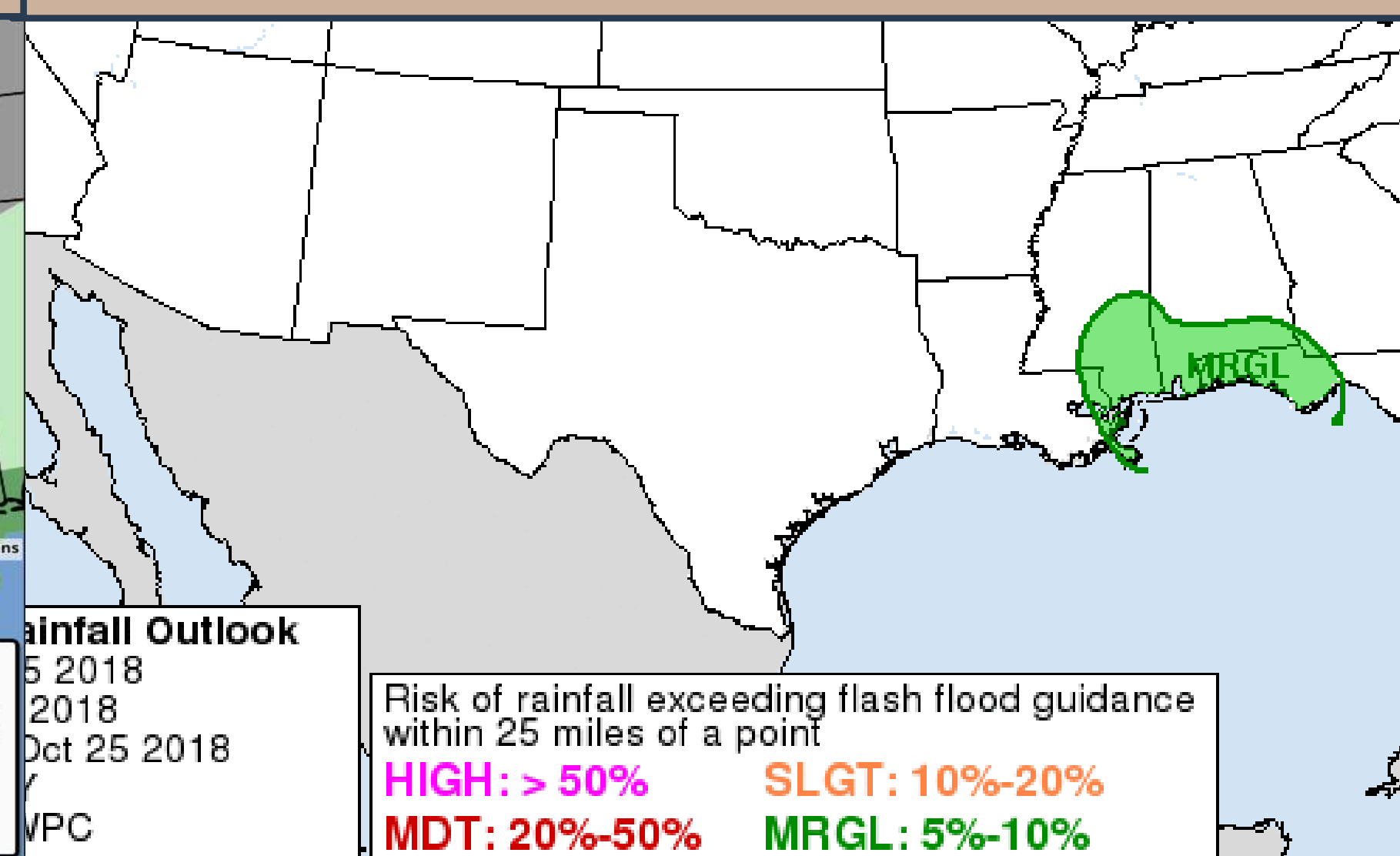


Isolated heavy rain/flash
flooding possible over S LA.

Severe Weather Outlook



Excessive Rainfall Outlook



Risk of rainfall exceeding flash flood guidance
within 25 miles of a point
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

Watches, Warnings, and Advisories



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Fire Weather



Graphic Created

Severe Weather & Flooding



Graphic Created

No Advisories in Effect

Strong & Gusty Winds



Graphic Created

Winter Weather



Graphic Created

Tomorrow's Weather

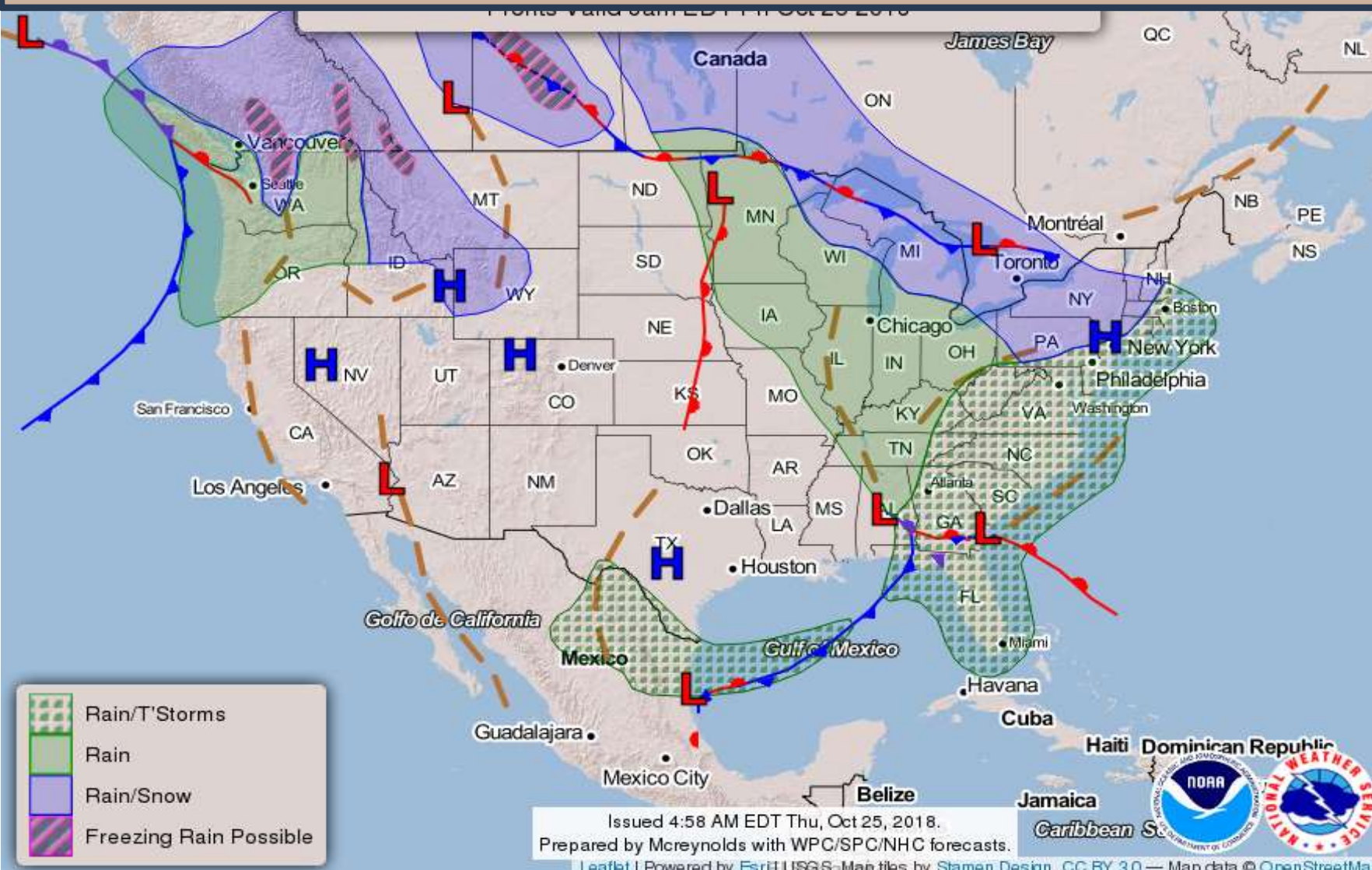


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Forecast Chart

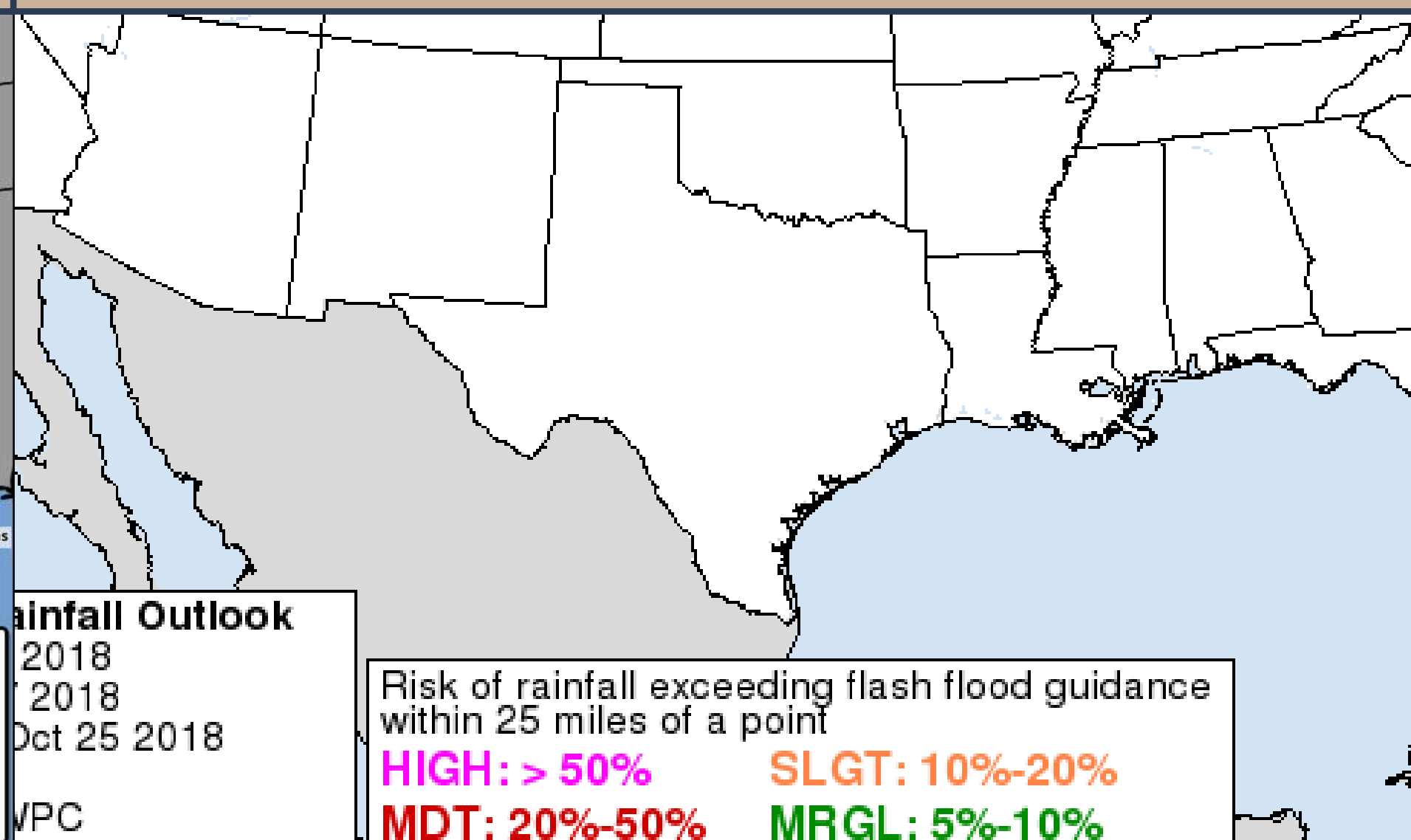
Forecast Rainfall

No Significant Weather
Impacts Expected.



Severe Weather Outlook

Excessive Rainfall Outlook



Rainfall Outlook
2018
2018
Oct 25 2018
WPC

Risk of rainfall exceeding flash flood guidance
within 25 miles of a point
HIGH: > 50% **SLGT: 10%-20%**
MDT: 20%-50% **MRGL: 5%-10%**

Saturday's Weather

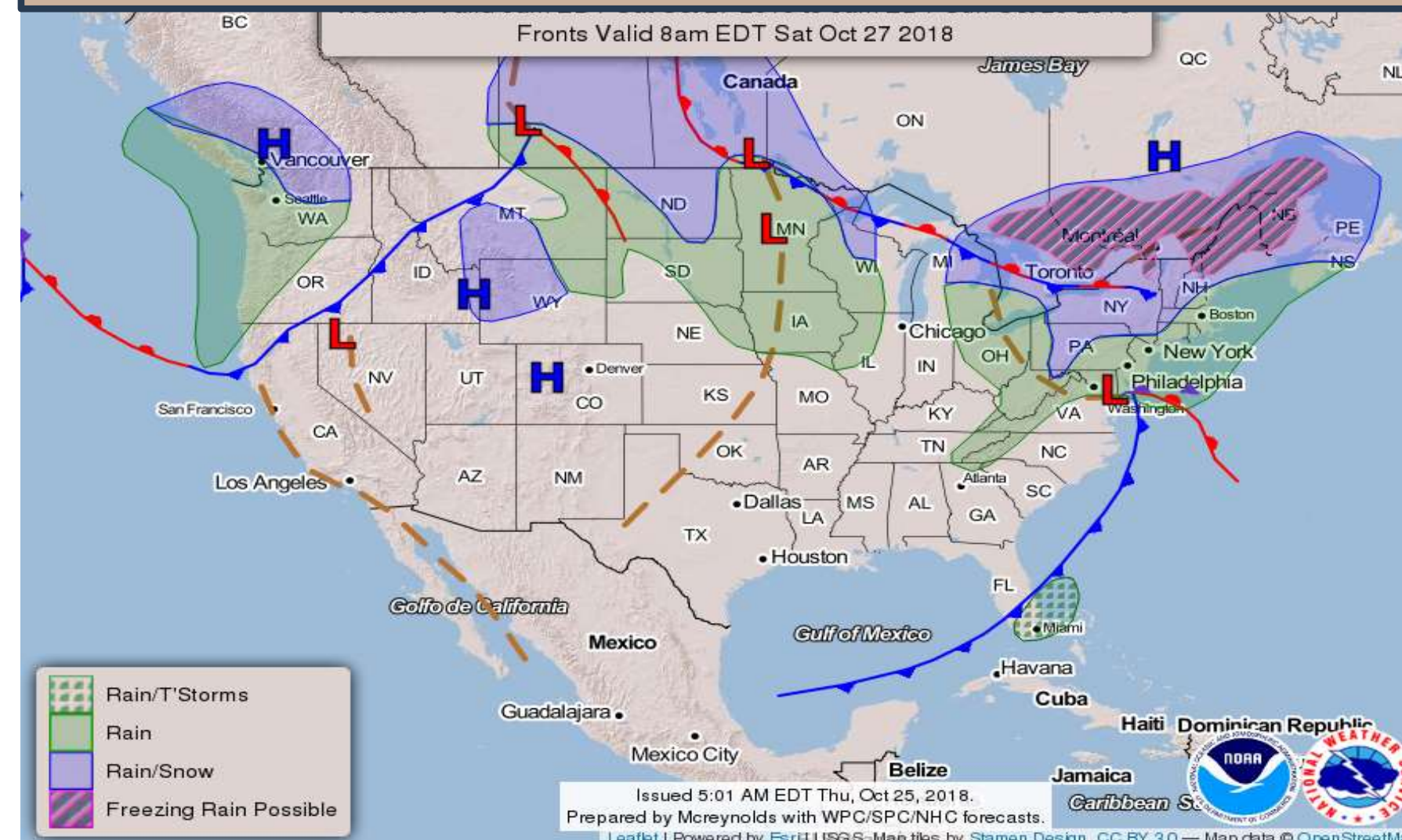


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Forecast Chart

Forecast Rainfall

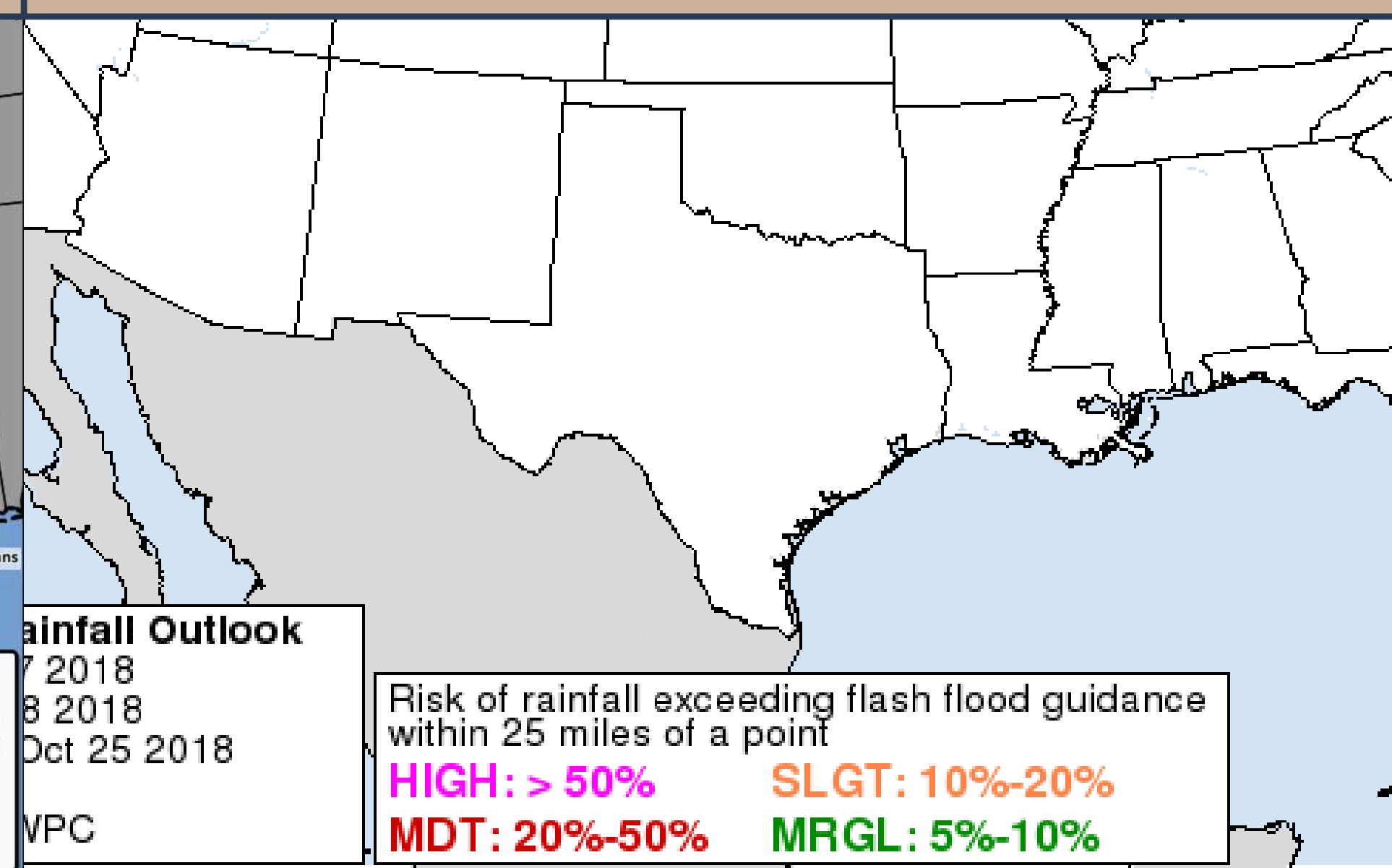
No Significant Weather
Impacts Expected.



Graphic Created
October 25th, 2018

Severe Weather Outlook

Excessive Rainfall Outlook

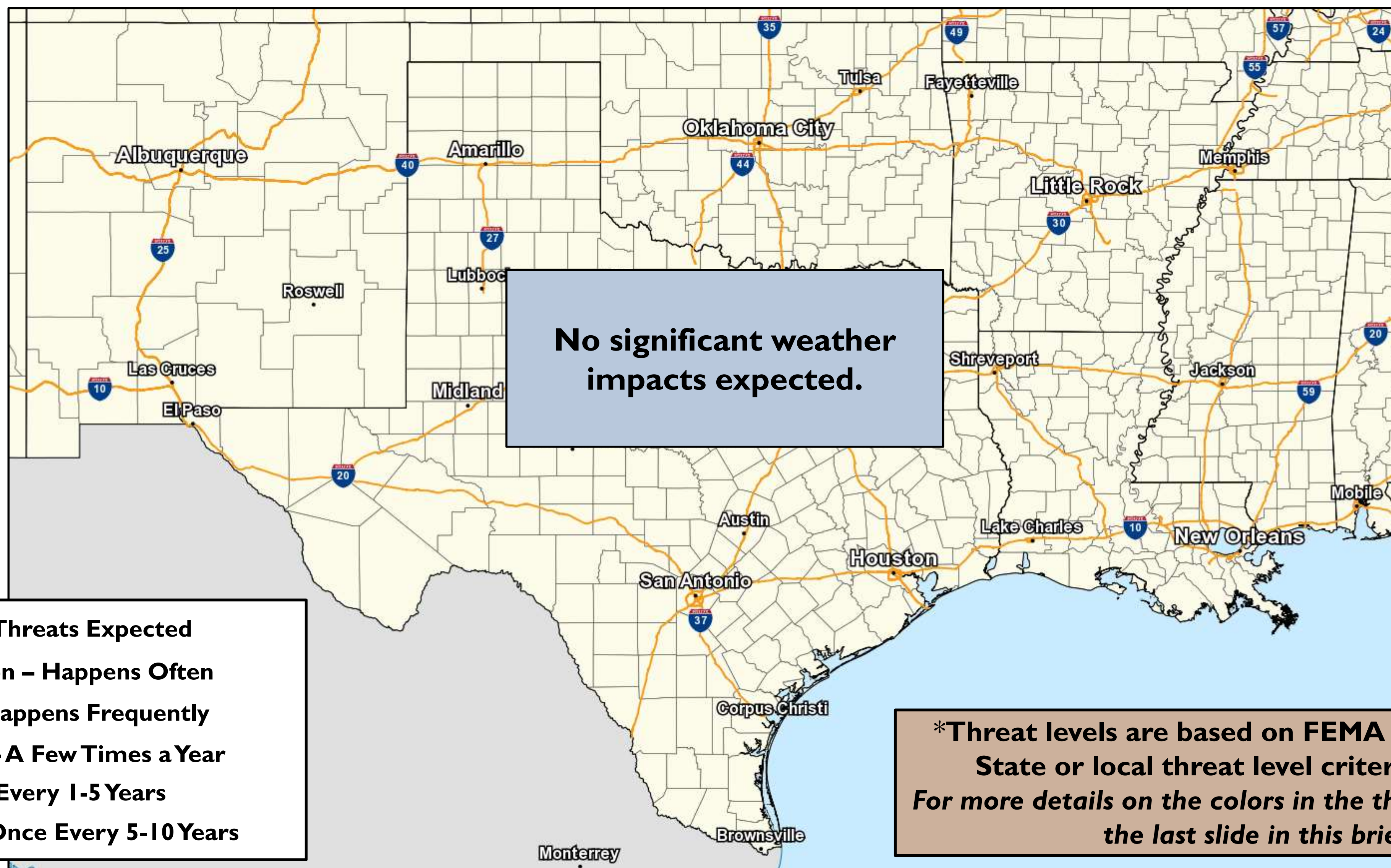


Days 4-5 Weather Hazards

Sunday - Monday



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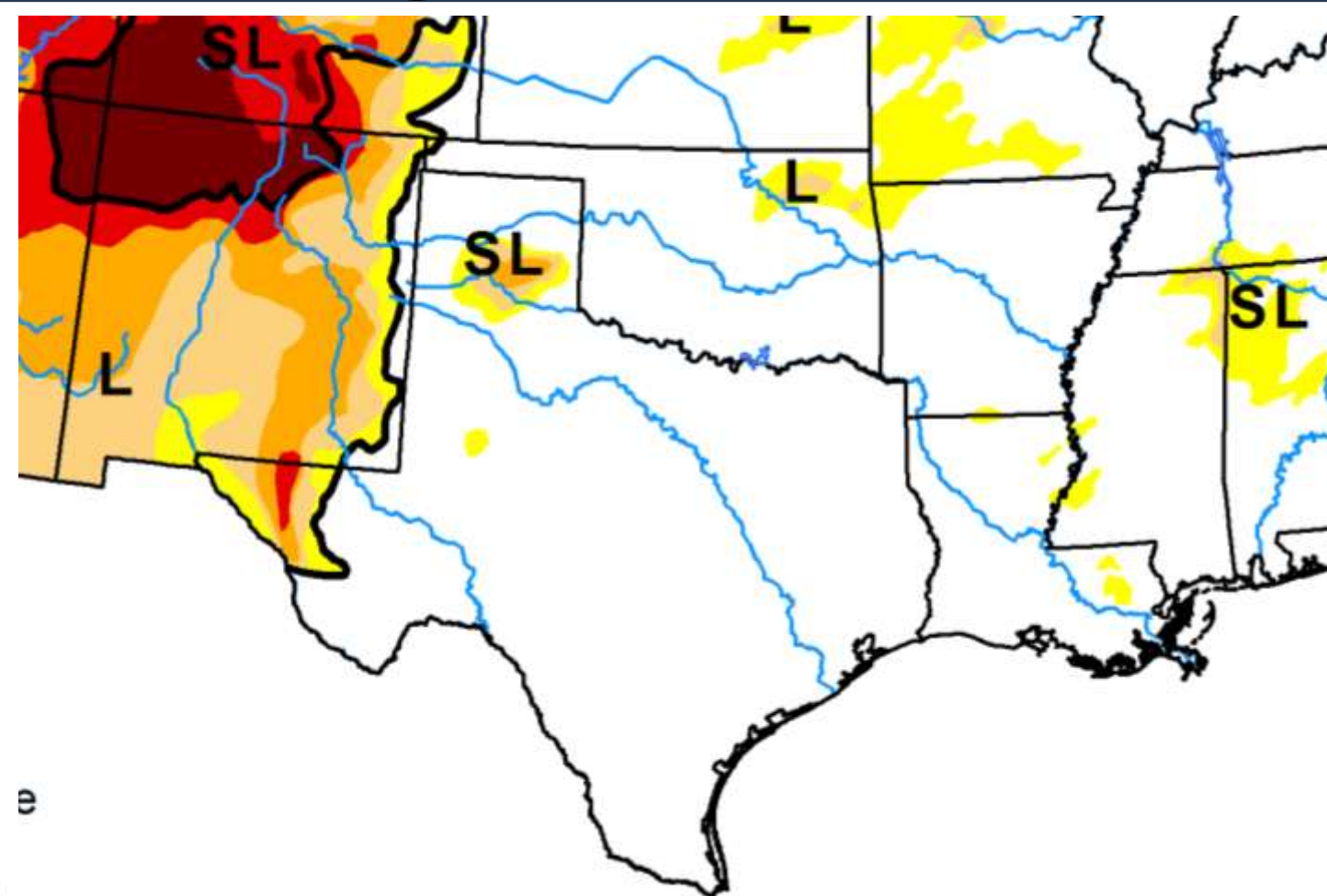
Drought Monitor (Released October 25, 2018)



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Data valid as of 7am CDT, Tuesday, October 23, 2018

Drought Monitor

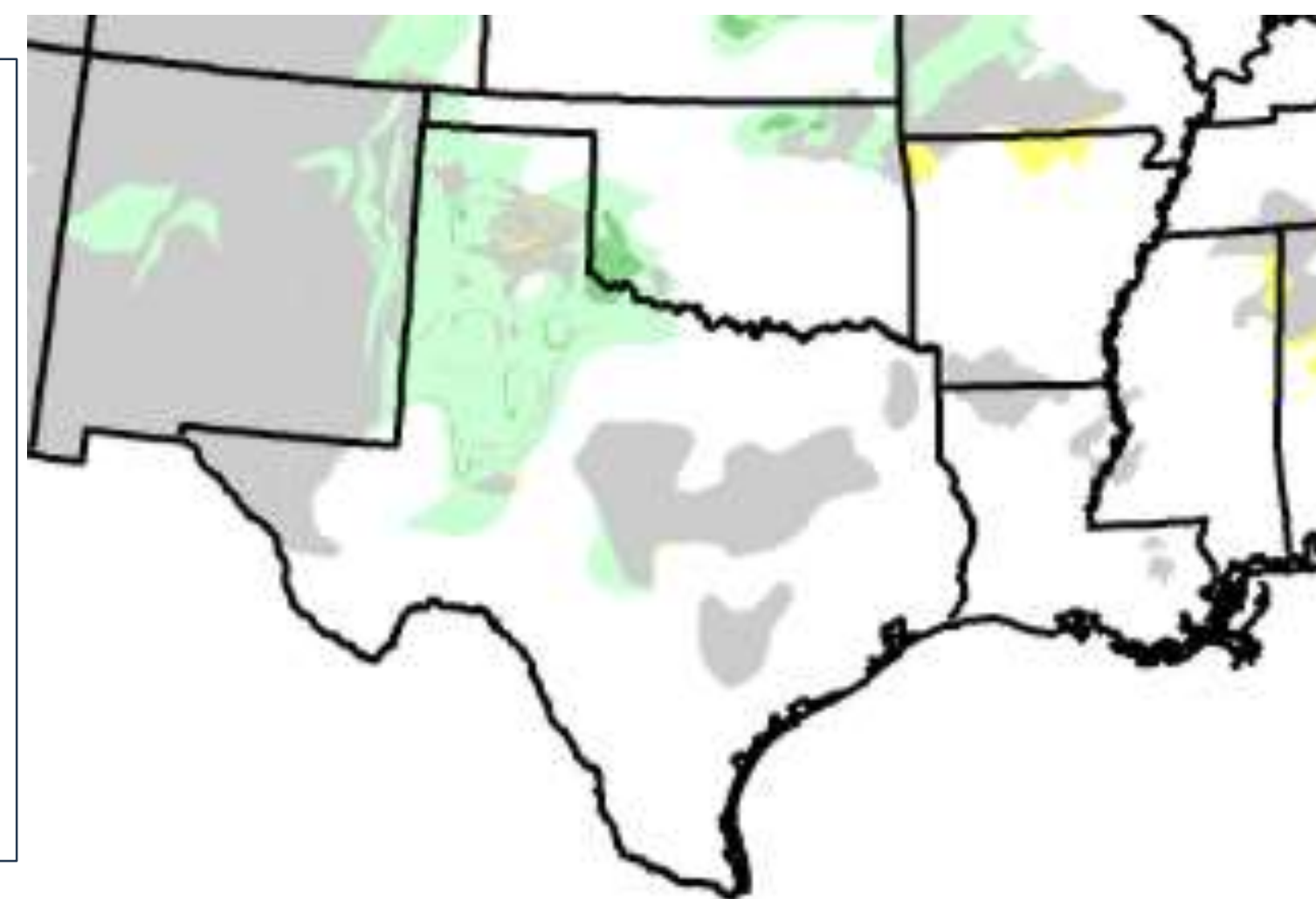


Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

One Week Change in Drought

- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

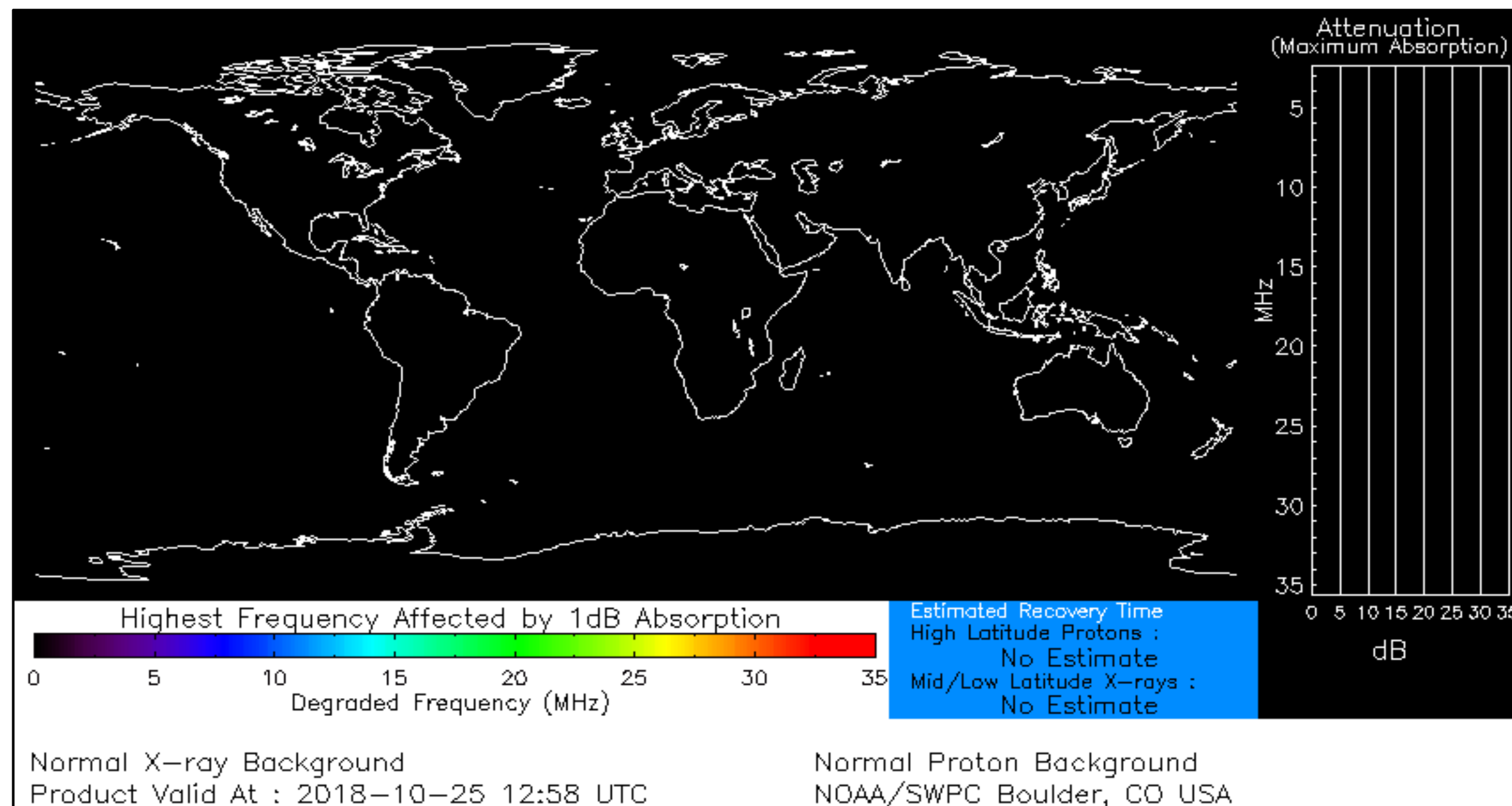
| State | Current | Last Week | 3 Months Ago | 1 Year Ago |
|------------|---------|-----------|--------------|------------|
| Arkansas | 0.00% | 0.00% | 0.00% | 0.00% |
| Louisiana | 0.00% | 0.00% | 0.00% | 0.00% |
| Oklahoma | 0.00% | 0.00% | 8.81% | 0.00% |
| Texas | 0.54% | 0.59% | 3.38% | 0.00% |
| New Mexico | 23.07% | 23.07% | 54.97% | 0.00% |

Space Weather 3-Day Forecast



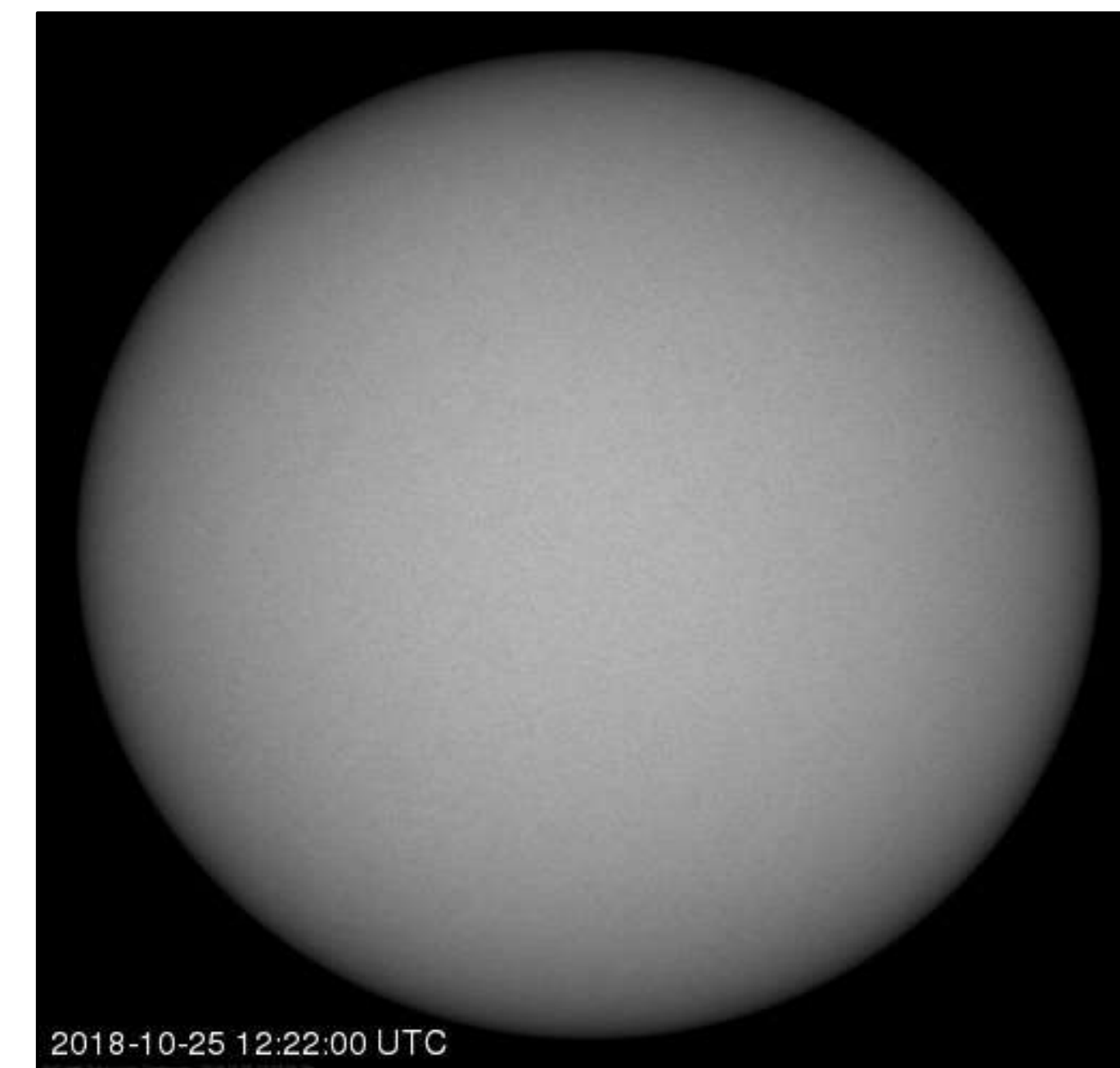
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| | Thursday | Friday | Saturday |
|-------------------------------|------------------------------------|------------------------------------|------------------------|
| Geomagnetic Storms | Quiet to Unsettled (Max Kp = 3) | Quiet to Unsettled (Max Kp = 3) | Quiet (Max Kp = 2) |
| Solar Radiation Storm (S1-S5) | 1% | 1% | 1% |
| Radio Blackout (R1-R2) | 1% | 1% | 1% |
| Radio Blackout (R3-R5) | 1% | 1% | 1% |



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



| Weather “Threat” Matrix | | | |
|-------------------------|--|---|--|
| Color | Definition | Criteria | Example(s) |
| Green | Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines | Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active | <ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX |
| Yellow | Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life | Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook | <ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail |
| Orange | Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life | Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions | <ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected |
| Red | Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life | Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought | <ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue |
| Purple | Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life | Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought | <ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms |

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov